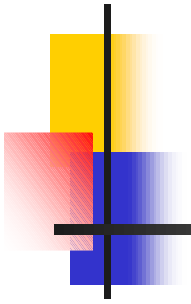


JES ICR correction

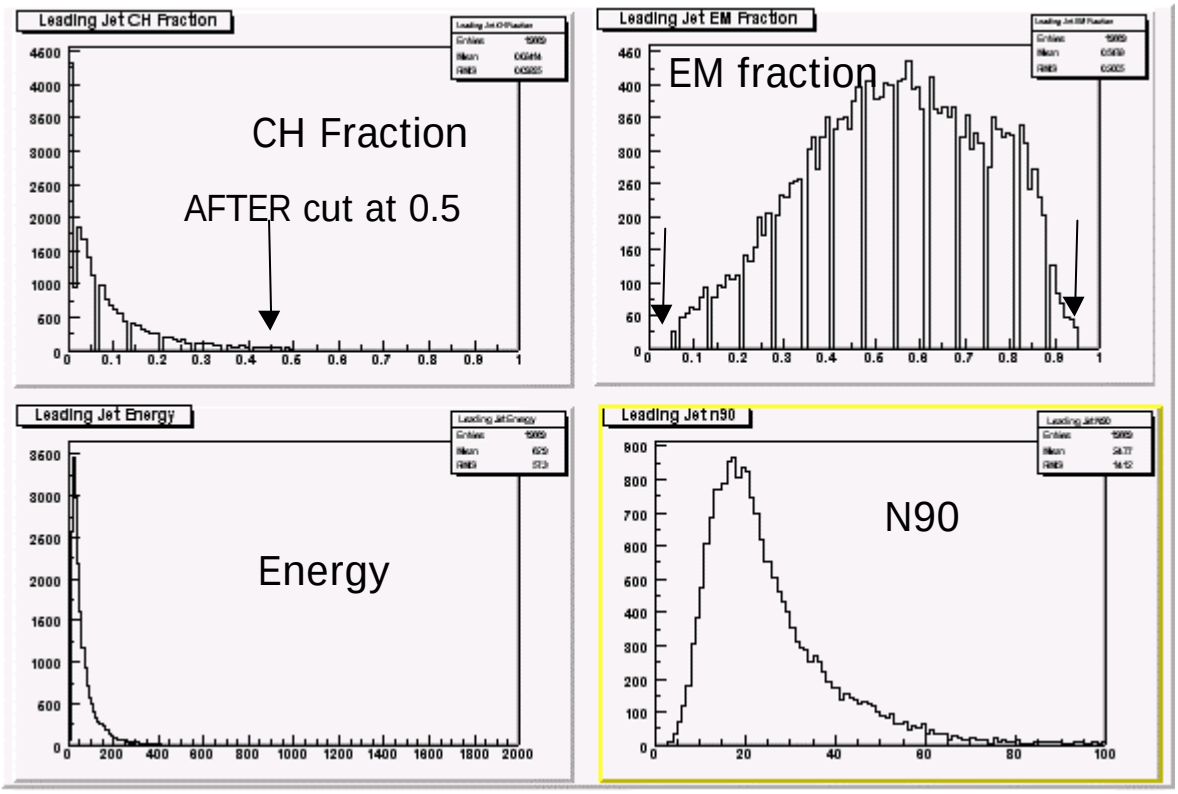
- **The story as we last left it…**
  - Looking at p13.02 thumbnails for the CMT 8.41 dataset
    - did not have a bad run list
    - response flat in eta
      - surprise?
      - MG weight tweaking in p13 certainly changed eta dependence, but really this much?
  - Looked at a few 100k events from CMT 9.20
    - bad run list from QCD group

ICR correction for p13.02

- **ICR correction - usual analysis**
  - **Tricks from Marco on speeding up the code (only unpack stuff I need - this really helps)**
- **Looked at CMT_8.41 data**
- **Looked at 240k events from CMT_9.20**
  - **NO EMSCALE CORRECTION**
  - **NO CRYO OFFSET CORRECTION**

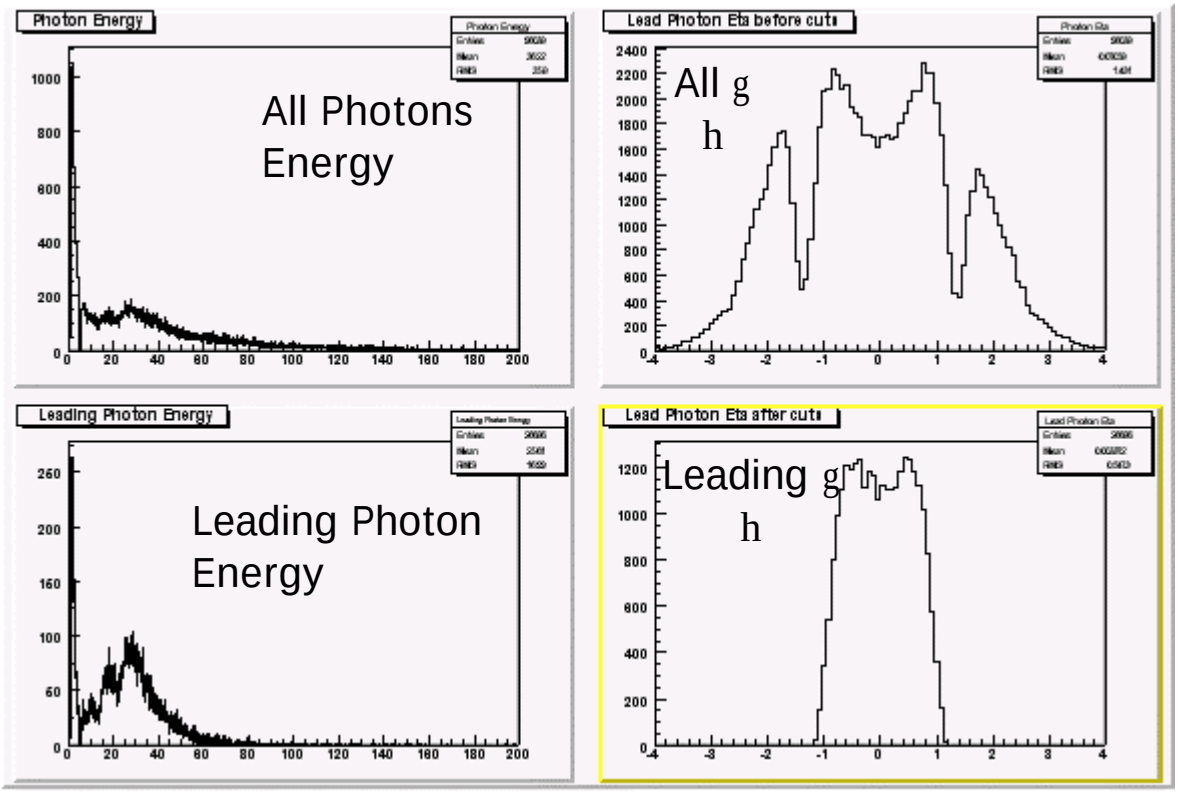
ICR correction for p13.02

- **Leading jet quantities from 9.20**



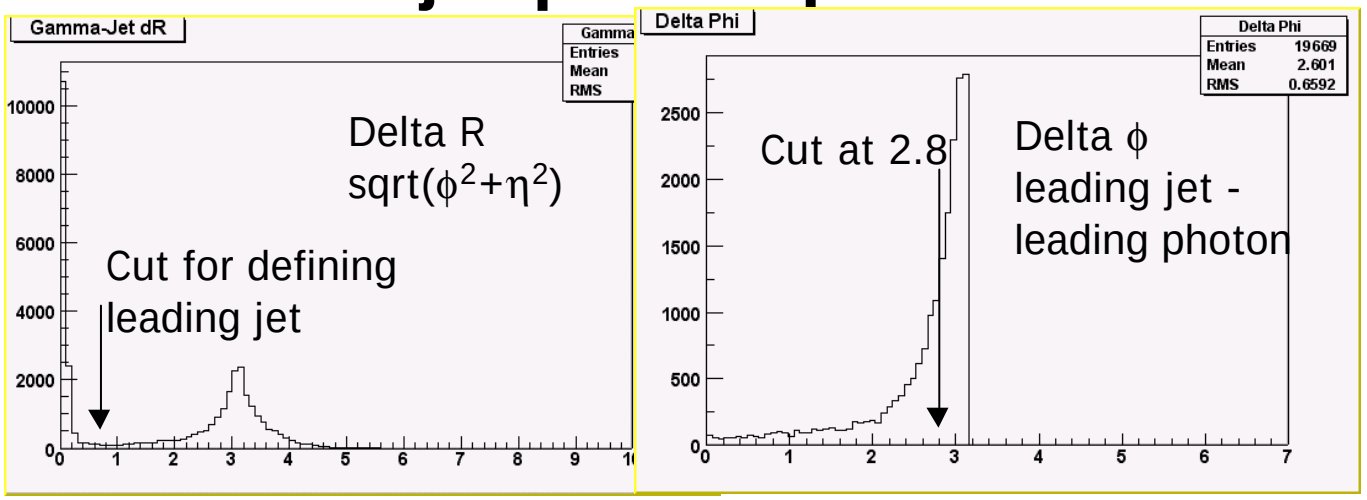
ICR correction for p13.02

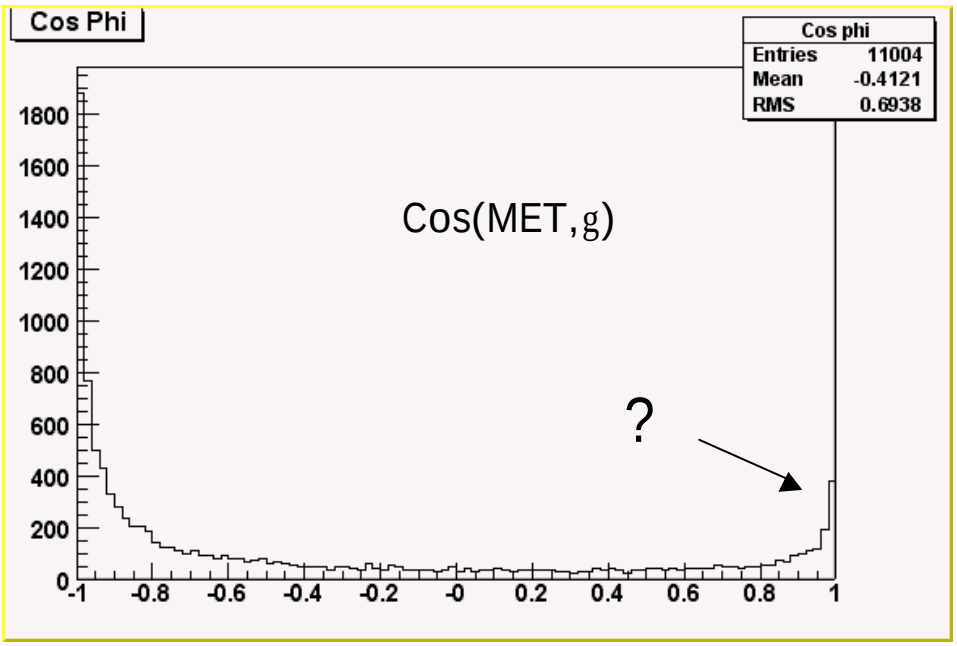
- **photon quantities from 9.20**



ICR correction for p13.02

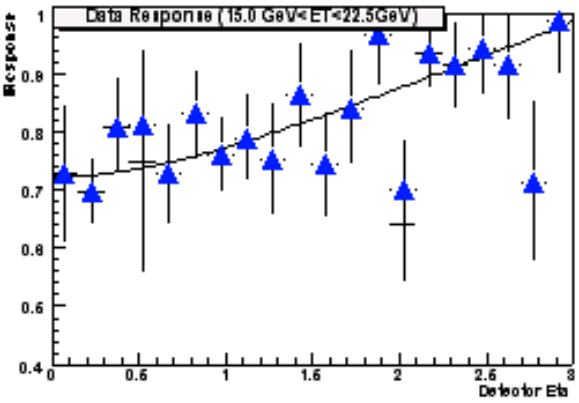
- **lead jet-photon quantities**

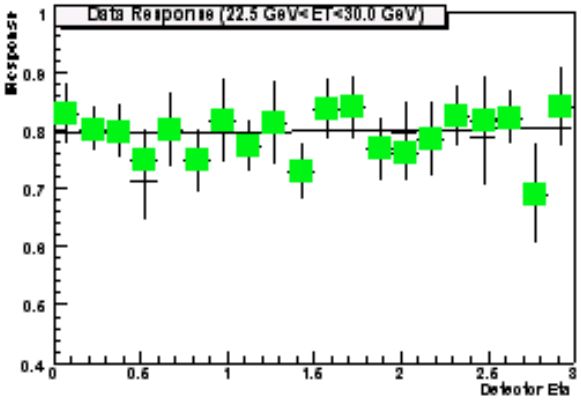


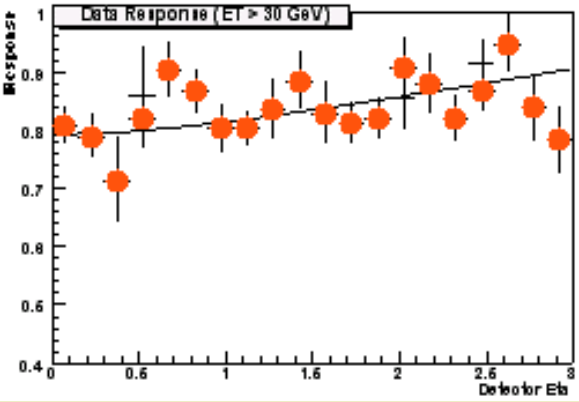


ICR correction for p13.02 for CMT9.20

- **Data Energy Bins with Cosh(E) fit overlaid**

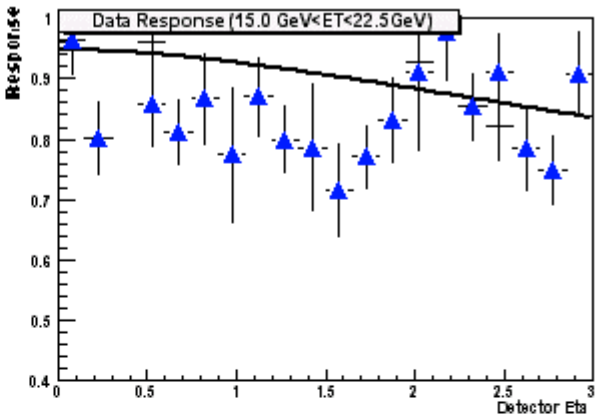


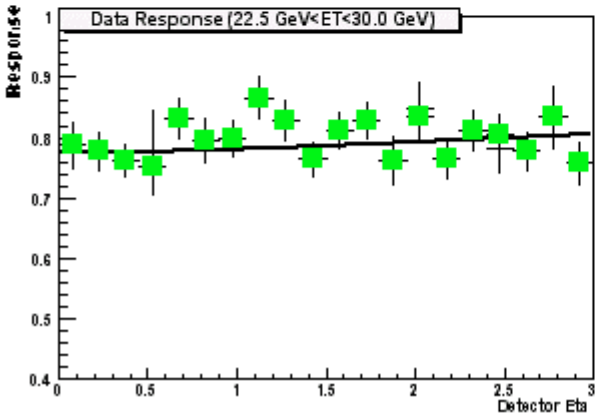


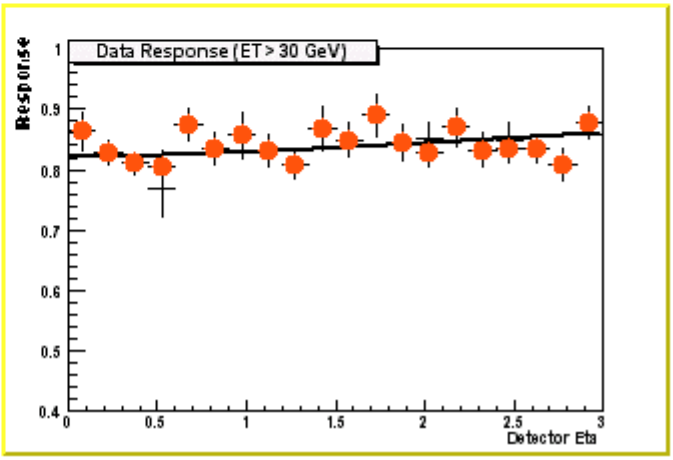


ICR correction for p13.02 for CMT8.41

- **Data Energy Bins with Cosh(E) fit overlaid**

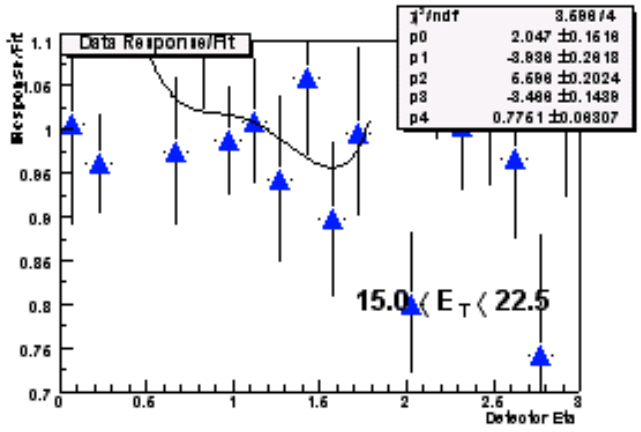


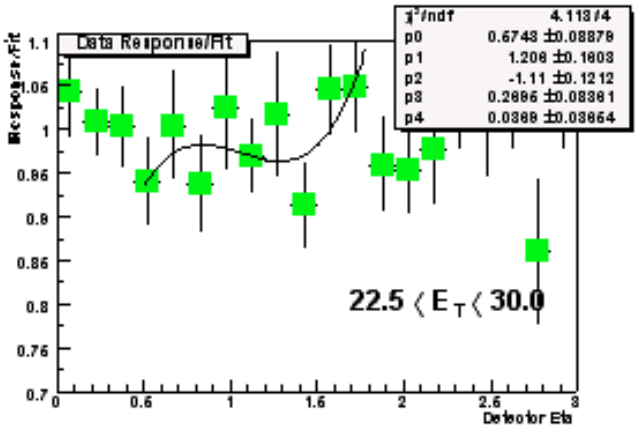


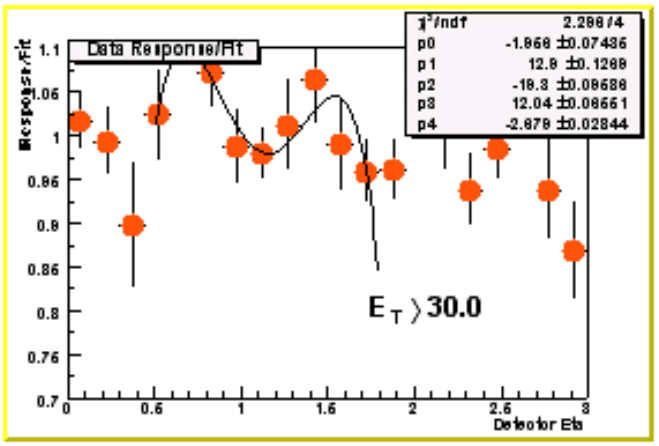


ICR correction for p13.02 for CMT_9.20

- **ICR correction - usual analysis**

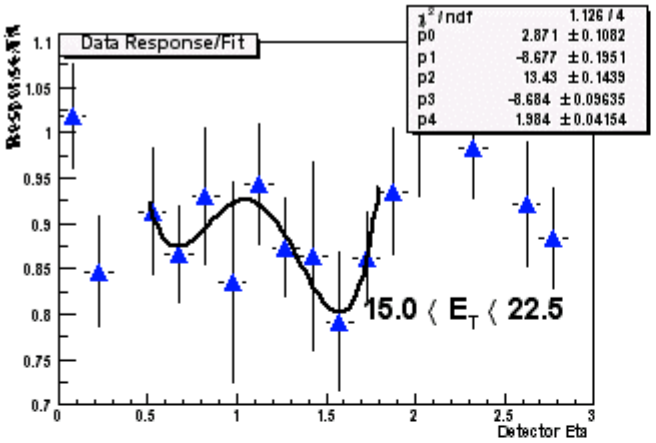


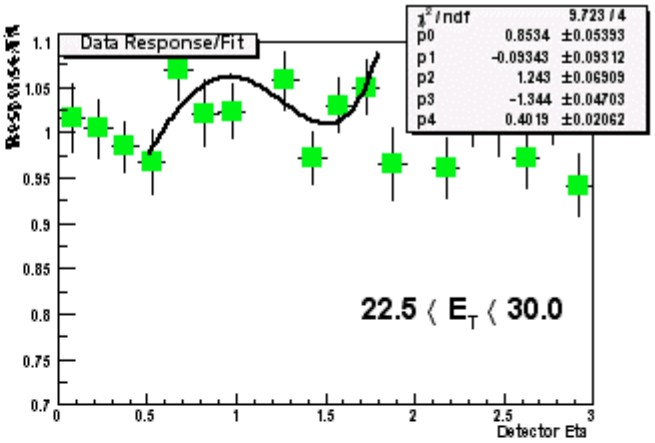


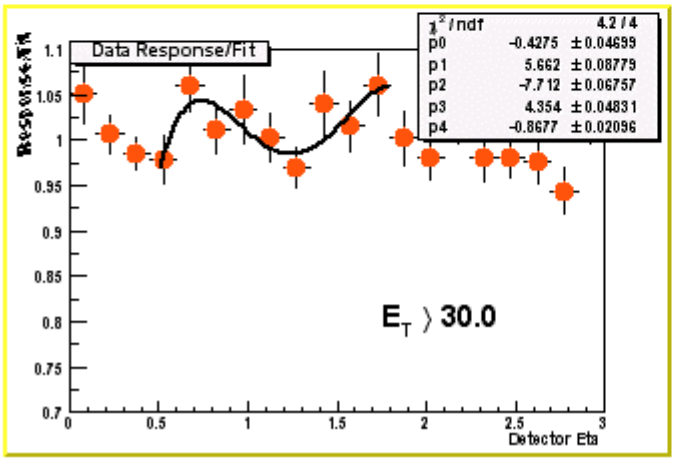


ICR correction for p13.02 for CMT_8.41

- **ICR correction - usual analysis**

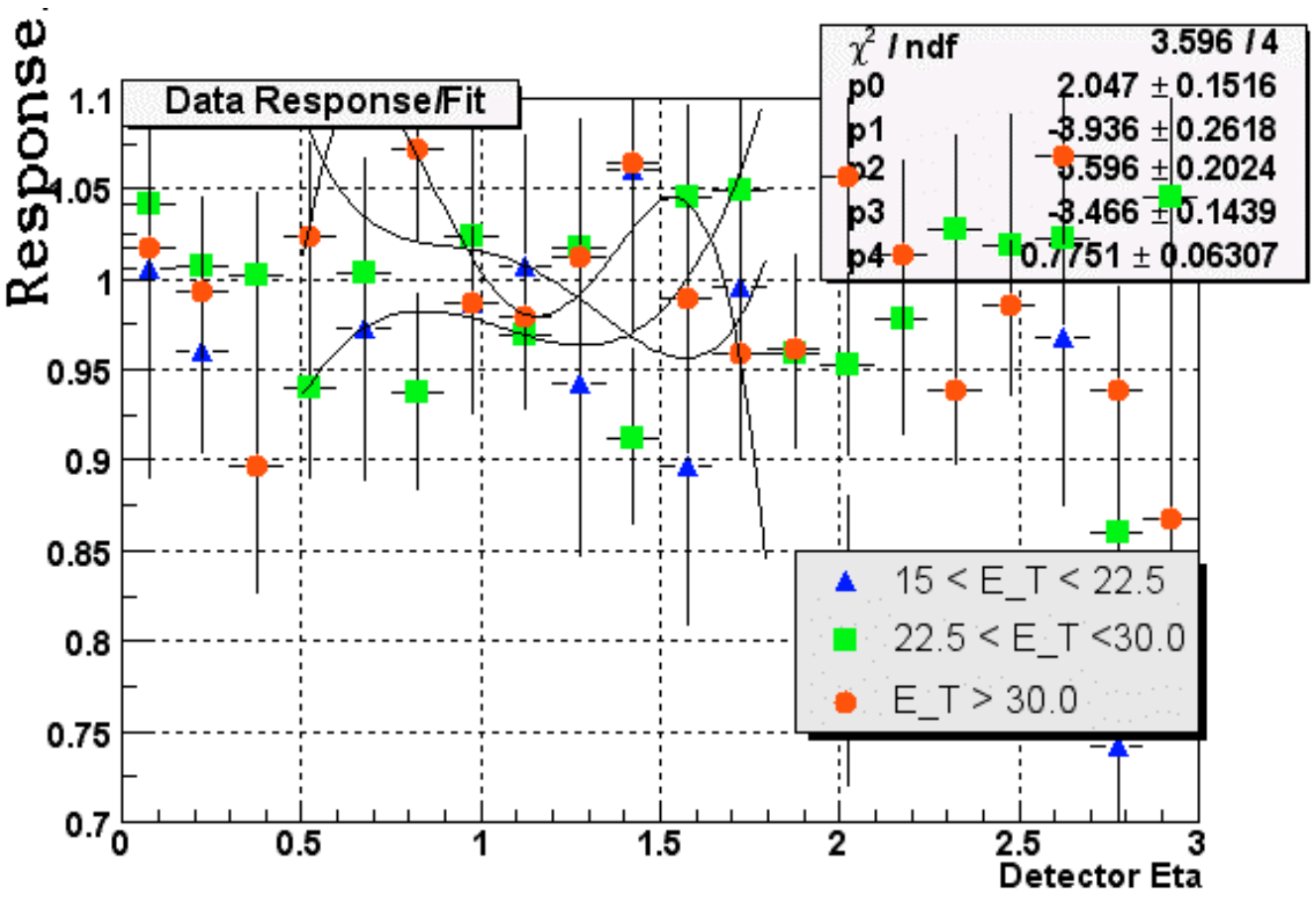






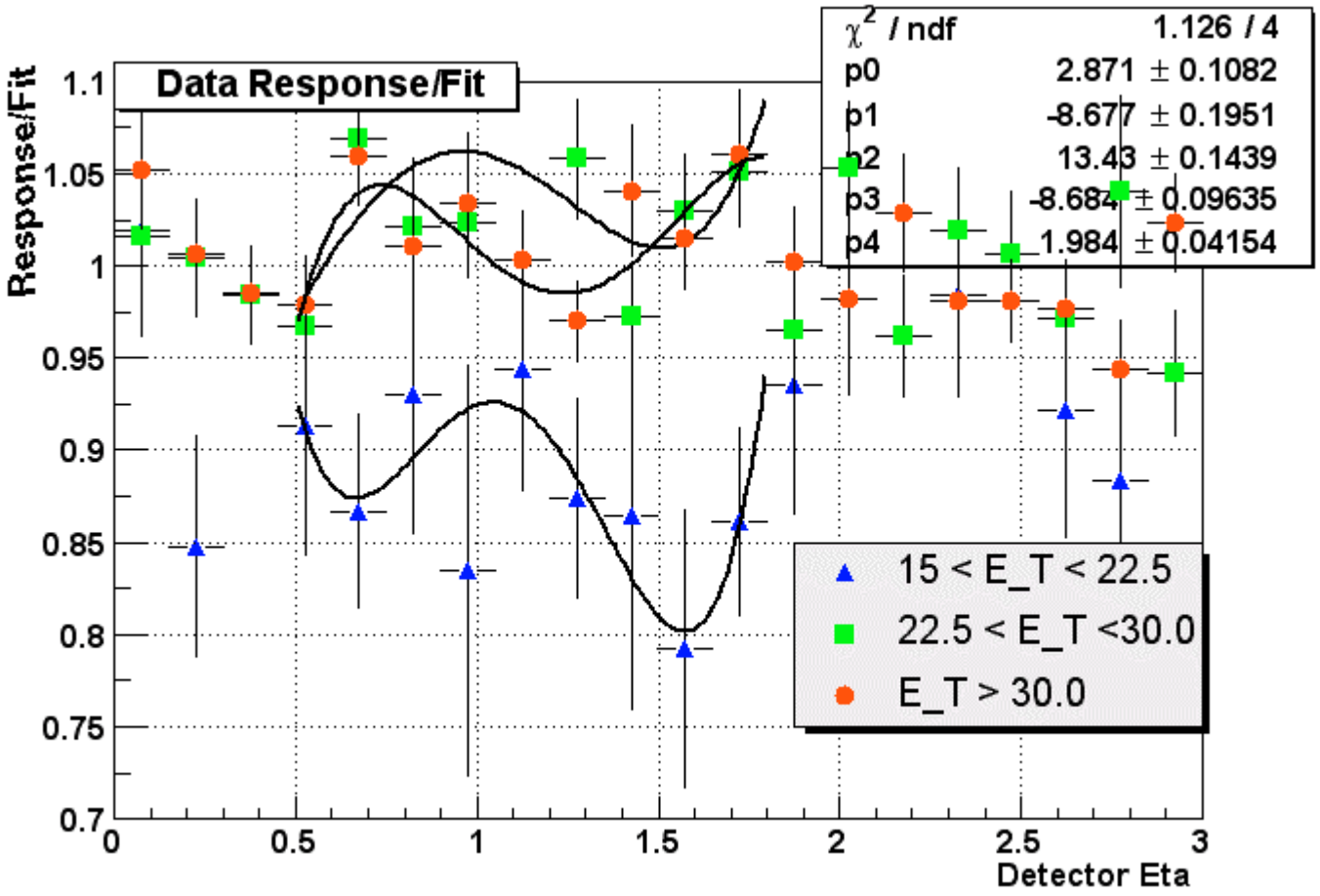
ICR correction for p13.02 for CMT_9.20

- **ICR correction - usual analysis**



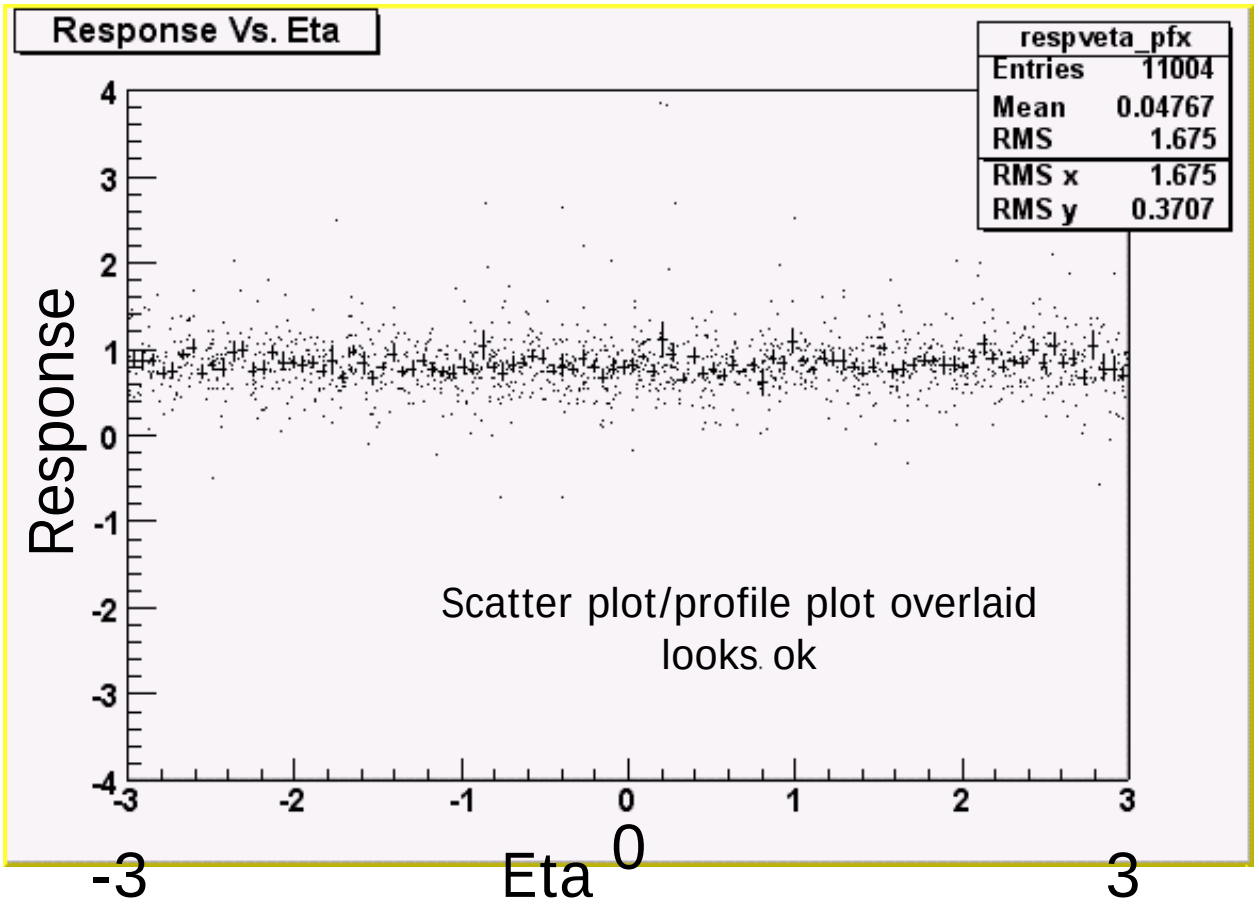
ICR correction for p13.02 for CMT_8.41

- **ICR correction - usual analysis**



ICR correction for p13.02 for CMT_9.20

- **response vs. eta (all energies)**



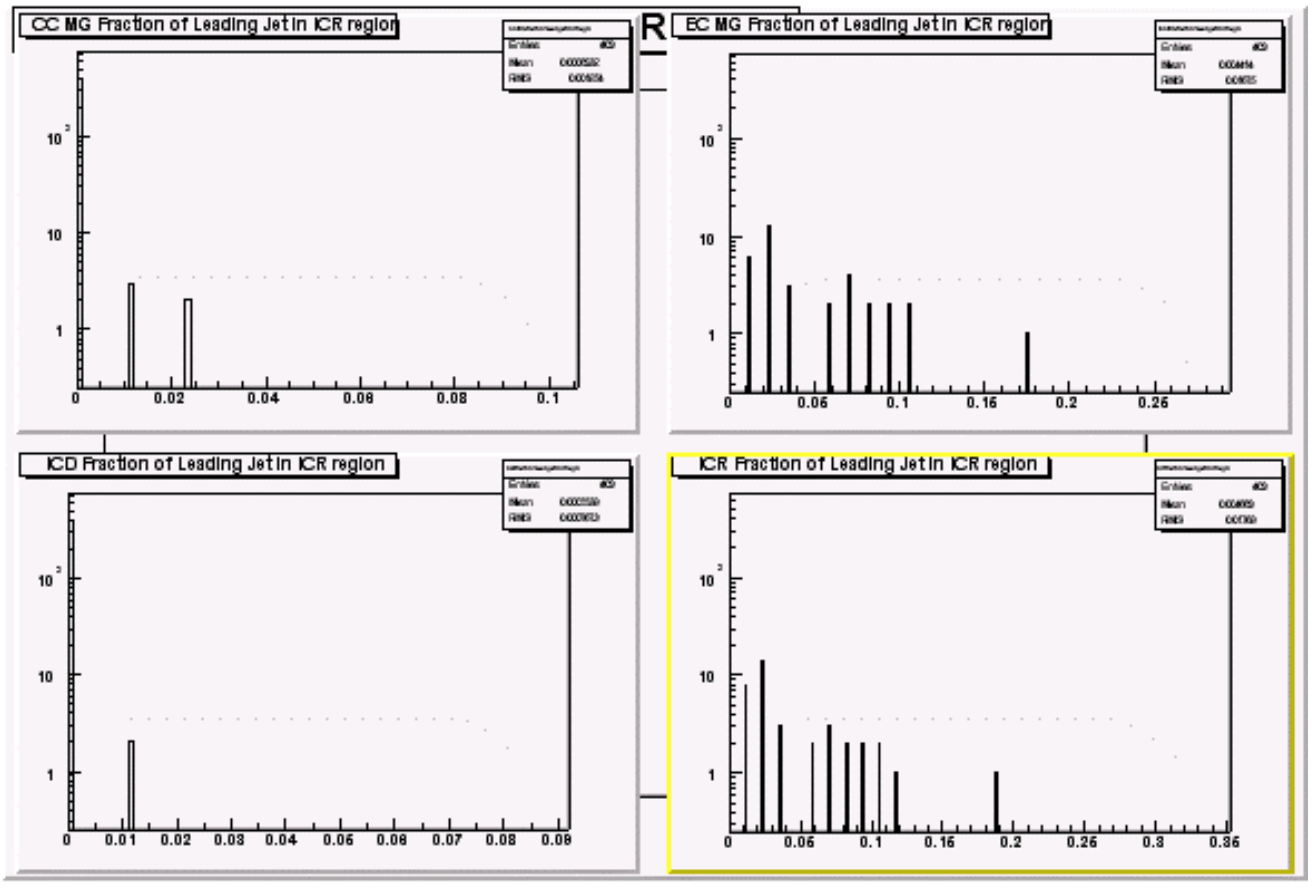
ICR correction : issues

MG fraction variables USELESS in thumbnail

- **can't look at energy fraction deposited in ICD/CCMG/ECMG due to resolution**
  - **being fixed (but when?)**
  - **meanwhile, will have to go back to DST**
    - **good news is that thumbnail code should run directly on DST**
    - **bad news is that it will be really, really slow**
- **I believe my code, but I don't believe the result**
  - **maybe it's ok...??**

ICR correction : issues

ICR fraction in thumbnails using jets in the ICR region only!



ICR correction - Next Steps

Look at DST

- **compare ICD/ECMG/CCMG fractions to p11.11 results**
  - **If there is a substantial difference that can account for this new eta behavior then I'll believe it**
- **Run over all data**
- **bin response in eta and fit instead of just using the profile plots**
- **do we want to look at 13.04? (with non-linearity bug?)**
- **To finish up the analysis, I need:**
  - **EMScale correction for p13.02**
  - **JetCor with cryo/offsets for p13.02**
- **Monte Carlo??**